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- (S) ionically conductive organosiloxane polymer compositions.
- The ionically conductive compositions of this invention comprise the ionic pair (-SO₃)_nMⁿ⁺ bonded either to a crosslinked polymer containing organosiloxane units or to a finely divided solid that is immobilized within said composition, where the sulfur atom of said ionic pair is bonded by means of a divalent hydrocarbon radical that optionally contains at least one ether (-O-) linkage, and where M is a metal from Group I or Group II of the periodic table of the elements and n represents the valence of M. If the polymer does not contain oxyalkylene units the composition contains a non-aqueous electrolyte.

DOCUMENTS CONSIDERED TO BE RELEVANT				
ategory	Citation of document with indic of relevant passa	eation, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL5)
4	US-A-4 888 257 (S.C.M * the whole document	MARANG)	1-9	H01B1/12 H01M6/18
A	EP-A-0 362 593 (TORAY SILICONE) * page 4, line 30 - line 33; claims 1,2 *		1-9	
A,P	POLYMERS FOR ADVANCED TECHNOLOGIES vol. 4, no. 2/3 , 1993 , CHICHESTER, SUSSEX ,GB pages 80 - 84 J.NI & AL 'synthesis of a novel polysiloxane-based polymer electrolyte and its ionic conductivity' * the whole document *			
A	JOURNAL ELECTROCHEM.SOC. vol. 137, no. 1 , January 1990 , USA pages 29 34 Z.OGUMI & AL 'ionically conductive thin polymer films prepared by plasma polymerization' * the whole document *		1-9	TECHNICAL FIELDS SEARCHED (Inl.Cl.5)
A	DATABASE WPI Section Ch, Derwent Publications Ltd., London, GB; Class A85, AN 90-302911 & JP-A-2 215 836 (FUJI PHOTO) 28 March 1990 * abstract *		1,3	HOIM
Y:	The present search report has been a search to the present to the present to the particularly relevant if taken alone particularly relevant if combined with an abocument of the same category technological background	Date of completion of the search 28 February 199 NTS T: theory or prin E: earlier patent after the fillin other D: document cite L: document cite	ciple underlyin document, but g date ed in the applic ed for other rea	pungsned on, or ation